IEEE INTERNATIONAL SYMPOSIUM ON
ROSE 2023
ROBOTIC AND SENSORS ENVIRONMENTS
Hosei University, Tokyo, Japan | November 6-7, 2023

IEEE

IEEE INSTRUMENTATION & MEASUREMENT SOCIETY

CALL FOR PAPERS

IMPORTANT DATES

July 31, 2023
Proposals for special sessions

July 31, 2023
Proposals for tutorials/ workshops

August 28, 2023
Paper Submission

September 20, 2023
Decision Notification

October 6, 2023
Final Paper Submission

October 30, 2023
Registration

ORGANIZING COMMITTEE

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GENERAL INQUIRY

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The 16th edition of the IEEE International Symposium on Robotic and Sensors Environments will take place in-person on 6-7 November, 2023.

The focus of the ROSE symposium series is on sensing systems and technologies for robotics and industrial automation, as well as their impact on autonomous robotics and intelligent systems development and applications. Papers are solicited on all aspects of these areas.

SYMPOSIUM TOPICS

- Intelligent robotic systems
- Human-robot interaction
- Cognitive robotics
- Tele-operation
- Locomotion and manipulation
- Collaborative robotics
- Rescue robots
- Swarm robotics
- Robot sensors and vision
- Multimodal sensing and perception
- Control systems
- Intelligent sensing
- Machine vision and image processing
- 3D sensing and modeling
- Sensor fusion
- Emerging sensor technologies
- Distributed sensing
- Industrial automation
- Collaborative manufacturing
- Inspection and quality control
- Agricultural sensors and robotics
- Marine sensing and robotics
- Aqua-cultural sensors and robotics
- Climate sensors and robotics
- Evolutionary robotics
- Haptics
- Motion planning and navigation
- Robotics cyber security
- Anti drone systems

SUBMISSION

Authors are invited to submit original full-length manuscripts with a clear emphasis on the theoretical or practical originality of the presented work. Submissions are accepted electronically in PDF-format at ROSE2023.ieee-ims.org. Papers must be written and presented in the conference in English only. Please consult the conference website for more details.

Papers that are accepted and presented in the conference will be submitted for inclusion in the IEEE Xplore digital library and indexed by EI/Compendex. IEEE also submits all conference proceedings for indexing to Web of Science and Scopus/Compendex, as well as a few other downstream indexers. Acceptance and indexing is subject to a thorough review process.

A Best Paper Award will be presented at the end of the symposium.

Participants who are interested in conducting Tutorials/Workshops or in organizing Special Sessions on topics of interest are encouraged to contact the Technical Program Chairs. During submission, authors should specify the submission track which has the same name as the Special Session.